

WE CLAIM:

1. A closeable radio communications device comprising:

5 a housing having at least two portions movably mounted to each other to allow relative movement of the portions between a closed position and an opened position;

10 at least one spacing projection on at least one of the two portions, the spacing projection being configured such that when the housing is in the closed position an acoustic chamber is formed by at least an inner surface of the projection and facing surfaces of the respective portions; and

15 a speaker in operative communication with the acoustic chamber.

2. A closeable radio communications device as claimed in claim 1, wherein the projection provides an enclosing wall for both facing surfaces when the housing is in the closed position.

25 3. A closeable radio communications device as claimed in claim 1, wherein the projection forms continuous rim.

30 4. A closeable radio communications device as claimed in claim 1, wherein the projection has resilient properties.

35 5. A closeable radio communications device as claimed in claim 1, wherein there is at least one aperture in communication with the chamber for allowing audible signals to be emitted from the chamber to an outside the housing.

6. A closeable radio communications device as claimed in claim 5, wherein least one of the facing surfaces has a chamber exit aperture therein for allowing audible signals to be emitted from the chamber and outside of the housing.

7. A closeable radio communications device as claimed in claim 6, wherein there is a further aperture in communication with the chamber exit aperture through a void in one of the portions.

8. A closeable radio communications device as claimed in claim 1, wherein the projection has at least one aperture therein for allowing audible signals to be emitted from the chamber to an outside of the housing.

9. A closeable radio communications device as claimed in claim 1, wherein the closeable radio communications device includes a housing position detector coupled to a processor mounted in the housing.

10. A closeable radio communications device as claimed in claim 1, wherein the processor provides volume control for the speaker to increase the audio signal output of the speaker when the portions are in the closed position and reduced the audio signal output of the speaker when the portions are in the opened position.

11. A closeable radio communications device as claimed in claim 1, wherein the two portions are pivotally mounted to each other.

12. A closeable radio communications device as claimed in claim 1, wherein the speaker is an alert speaker for providing an alert associated with an incoming call.

13. A closeable radio communications device comprising:

5 a housing having at least two portions movably mounted to each other to allow relative movement of the portions between a closed position and an opened position;

10 at least one spacing projection on at least one of the two portions, the spacing projection being configured such that when the housing is in the closed position the projection is sandwiched between facing surfaces of the respective portions an acoustic chamber is formed by at least an inner surface of the projection and facing surfaces of the respective portions ; and

15 a speaker in operative communication with the acoustic chamber.

20 14. A closeable radio communications device as claimed in claim 13, wherein the projection provides an enclosing wall for both facing surfaces when the housing is in the closed position.

25 15. A closeable radio communications device as claimed in claim 13, wherein the projection forms continuous rim.

30 16. A closeable radio communications device as claimed in claim 13, wherein the projection has resilient properties.

35 17. A closeable radio communications device as claimed in claim 13, wherein there is a said projection fixed to each of the facing surfaces.

18. A closeable radio communications device as claimed in claim 17, wherein the projection is a flange.

19. A closeable radio communications device as claimed in claim 13, wherein the projection has at least one aperture therein for allowing audible signals to be emitted from the chamber to an outside of the housing.

20. A closeable radio communications device as claimed in claim 13, wherein the closeable radio communications device includes a housing position detector coupled to a processor mounted in the housing.

21. A closeable radio communications device as claimed in claim 20, wherein the processor provides volume control for the speaker to increase the audio signal output of the speaker when the portions are in the closed position and reduced the audio signal output of the speaker when the portions are in the opened position.

22. A closeable radio communications device as claimed in claim 13, wherein the two portions are pivotally mounted to each other.

23. A closeable radio communications device as claimed in claim 13, wherein the speaker is an alert speaker for providing an alert associated with an incoming call.